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OM protein - protein search, using sw model

Run on: September 28, 2004, 10:40:08 ; Search time 23.2779 Seconds
(without alignments)
742.965 Million cell updates/sec

Title: US-09-446-634B-22
Perfect score: 1804
Sequence: 1 MLCIGTWLLPLVLTSLVRLSS.....KDIITSDSENFRNEIQSLV 335

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/2/iaa/5A COMB.pap.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pap.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pap.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pap.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pap.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	1804	100.0	335	2	US-08-219-237B-2
2	1804	100.0	335	2	US-08-409-338-1
3	1804	100.0	335	3	US-09-290-640-2
4	1804	100.0	335	3	US-09-006-353A-7
5	1804	100.0	335	3	US-08-468-560C-2
6	1804	100.0	335	4	US-09-180-100-20
7	1804	100.0	335	4	US-09-565-918-3
8	1804	100.0	335	4	US-09-573-986-7
9	1804	100.0	335	4	US-09-665-615B-2
10	1804	100.0	335	5	PCT-US95-17083-2
11	1804	100.0	669	4	US-09-013-895A-3
12	1804	100.0	669	4	US-09-448-868-3
13	1792	99.3	335	3	US-08-815-469-6
14	1743	96.6	331	3	US-09-086-483A-3
15	1743	96.6	331	4	US-09-580-212-3
16	1743	96.6	331	4	US-09-789-402-3
17	1667.5	92.4	314	1	US-08-444-231-19
18	1667.5	92.4	314	1	US-08-152-443A-19
19	1667.5	92.4	314	5	PCT-US95-17083-4
20	1484	82.3	281	4	US-09-527-236A-3
21	1484	82.3	281	4	US-09-756-854-3
22	1225	67.9	219	3	US-08-974-022-45
23	1225	67.9	219	3	US-08-795-445A-45
24	1225	67.9	219	3	US-08-795-447A-45
25	1225	67.9	219	3	US-08-974-186-45
26	1225	67.9	219	3	US-08-795-446B-45
27	1225	67.9	219	4	US-08-706-945D-131

28	1225	67.9	219	4	US-08-577-789C-45	Sequence 45, Appl
29	942	52.2	167	4	US-08-828-683A-22	Sequence 22, Appl
30	893	49.5	157	4	US-09-180-100-15	Sequence 15, Appl
31	856	47.5	327	3	US-09-290-640-66	Sequence 66, Appl
32	856	47.5	327	4	US-09-665-615B-66	Sequence 66, Appl
33	811.5	45.0	144	4	US-09-180-100-21	Sequence 21, Appl
34	811.5	45.0	159	4	US-09-180-100-23	Sequence 23, Appl
35	811.5	45.0	376	4	US-09-180-100-22	Sequence 22, Appl
36	757	42.0	128	4	US-09-180-100-9	Sequence 9, Appl
37	757	42.0	143	4	US-09-180-100-10	Sequence 10, Appl
38	757	42.0	360	4	US-09-180-100-11	Sequence 11, Appl
39	712	39.5	119	2	US-08-219-237B-3	Sequence 3, Appl
40	712	39.5	119	3	US-08-477-347-14	Sequence 14, Appl
41	712	39.5	119	3	US-08-476-862-5	Sequence 5, Appl
42	712	39.5	119	3	US-08-468-560C-3	Sequence 3, Appl
43	712	39.5	119	4	US-08-828-683A-15	Sequence 15, Appl
44	712	39.5	119	4	US-09-800-909-5	Sequence 5, Appl
45	712	39.5	119	4	US-09-800-908-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-08-219-237B-2
; Sequence 2, Application US/08219237B
; Patent No. 5874546
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu
; APPLICANT: ITOH, Naoto
; APPLICANT: YONEHARA, Shin
; TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James W. Hellwege
; STREET: P.O. Box 2266 Eads Station
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/219,237B
; FILING DATE: 28-MAR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/872,129
; FILING DATE: 22-APR-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: James W. Hellwege
; REGISTRATION NUMBER: 28,808
; REFERENCE/DOCKET NUMBER: 516762
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-219-237B-2

Query Match 100.0%; Score 1804; DB 2; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLCIGTWLLPLVLTSLVRLSSVNAQVTQINSKGLRKTVTVTQNLGLHHDGQFCH 60
DB 1 MLCIGTWLLPLVLTSLVRLSSVNAQVTQINSKGLRKTVTVTQNLGLHHDGQFCH 60

QY 61 KCPGPKRKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
DB 61 KCPGPKRKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRKPNFNCSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRKPNFNCSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
QY 181 LLPIPLIIVVKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYIITTIAGVM 240
DB 181 LLPIPLIIVVKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYIITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
QY 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335
DB 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335

RESULT 2

US-08-409-338-1
; Sequence 1, Application US/08409338
; Patent No. 5891434

GENERAL INFORMATION:

; APPLICANT: Krammer, Peter H.
; APPLICANT: Debatin, Klaus-Michael
; APPLICANT: Trauth, Bernhard C.
; APPLICANT: Behrmann, Iris
; APPLICANT: Dhein, Jens
; APPLICANT: Kias, Christiane
; APPLICANT: Miller, Peter
; APPLICANT: Falk, Werner
; APPLICANT: Oehm Alexander
; APPLICANT: Daniel, Peter T.
; TITLE OF INVENTION: Monoclonal Antibodies to the APO-1 Antigen

; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington, MA 02173
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173

COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/409,338

FILING DATE:

; CLASSIFICATION: 424

PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/260,644

; FILING DATE: 16-JUN-1994

; APPLICATION NUMBER: US 07/691,016

; FILING DATE: 17-JUN-1991

; CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CTR89-35A2

TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-861-6240

; TELEFAX: 617-861-9540

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 335 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

US-08-409-338-1

Query Match 100.0%; Score 1804; DB 2; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160; Indels 0; Gaps 0;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERLKTVTVTETQNLGLHHDGQFCH 60
QY 61 KCPGPKRKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
DB 61 KCPGPKRKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRKPNFNCSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRKPNFNCSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
QY 181 LLPIPLIIVVKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYIITTIAGVM 240
DB 181 LLPIPLIIVVKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYIITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
QY 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335
DB 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335

RESULT 3

US-09-230-640-2
; Sequence 2, Application US/09290640
; Patent No. 6204055

GENERAL INFORMATION:

; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.

; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0351
; CURRENT APPLICATION NUMBER: US/09/290,640
; CURRENT FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2

; LENGTH: 335

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-230-640-2

Query Match 100.0%; Score 1804; DB 3; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERLKTVTVTETQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERLKTVTVTETQNLGLHHDGQFCH 60
QY 61 KCPGPKRKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
DB 61 KCPGPKRKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRKPNFNCSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRKPNFNCSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
QY 181 LLPIPLIIVVKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYIITTIAGVM 240
DB 181 LLPIPLIIVVKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYIITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300

QY 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335
Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

RESULT 4
US-09-006-353A-7
; Sequence 7, Application US/09006353A
; Patent No. 6261801
; GENERAL INFORMATION:
; APPLICANT: WEI, YING-FEI
; APPLICANT: YU, GUO-LIANG
; APPLICANT: GENTZ, REINER
; APPLICANT: RUBEN, STEVEN
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/006,353A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BROOKES, ANDERS A
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF341
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-006-353A-7

Query Match 100.0%; Score 1804; DB 3; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLKTVTTVEIQNLEGLHHDGFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCRLCDEGHGLEVEINCT 120
QY 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTKCKEGRSRLGWLCLL 180
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Db 181 LLPPLIPLVWVKRKEVQKTCRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTAGVM 240
QY 241 TLSQVKGFVRKNGVNEAKIDEIKNDNVQDTAEQKQVLLRNWHQHGKKEAYDTLTKDLKK 300
Db 241 TLSQVKGFVRKNGVNEAKIDEIKNDNVQDTAEQKQVLLRNWHQHGKKEAYDTLTKDLKK 300
QY 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335
Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

RESULT 5
US-08-468-560C-2
; Sequence 2, Application US/08468560C
; Patent No. 6270998
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu
; APPLICANT: ITOH, Naoto
; APPLICANT: YONEHARA, Shin
; TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE
; TITLE OF INVENTION: ANTIGEN
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
; STREET: P.O. BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,560C
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURPHY JR., GERALD M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 20-4393P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-205-8000
; TELEFAX: 703-205-8050
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-468-560C-2

Query Match 100.0%; Score 1804; DB 3; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLKTVTTVEIQNLEGLHHDGFCH 60
Db 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLKTVTTVEIQNLEGLHHDGFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCRLCDEGHGLEVEINCT 120
QY 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWVKRKEVQKTCRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTAGVM 240
Db 181 LLPPLIPLVWVKRKEVQKTCRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTAGVM 240
QY 241 TLSQVKGFVRKNGVNEAKIDEIKNDNVQDTAEQKQVLLRNWHQHGKKEAYDTLTKDLKK 300
Db 241 TLSQVKGFVRKNGVNEAKIDEIKNDNVQDTAEQKQVLLRNWHQHGKKEAYDTLTKDLKK 300
QY 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335
Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

RESULT 6
US-09-180-100-20
; Sequence 20, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 6306395io
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-20

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERLKTVTVTETONLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERLKTVTVTETONLGLHHDGQFCH 60
Qy 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Qy 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEGRSRLGWLCLL 180
Qy 181 LLPIPLVWVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLVWVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
Qy 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Db 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Qy 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335
Db 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335

RESULT 7
US-09-565-918-3
; Sequence 3, Application US/09565918
; Patent No. 6433147
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4
; FILE REFERENCE: 1488.130005
; CURRENT APPLICATION NUMBER: US/09/565,918
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/132,922
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: US 09/013,895
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: US 60/037,829
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: US 60/035,722

PRIOR FILING DATE: 1997-01-28
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-565-918-3

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERLKTVTVTETONLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERLKTVTVTETONLGLHHDGQFCH 60
Qy 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Qy 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEGRSRLGWLCLL 180
Qy 181 LLPIPLVWVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLVWVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
Qy 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Db 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Qy 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335
Db 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335

RESULT 8
US-09-573-986-7
; Sequence 7, Application US/09573986
; Patent No. 6455040
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.128004
; CURRENT APPLICATION NUMBER: US/09/573,986
; CURRENT FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-573-986-7

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERLKTVTVTETONLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERLKTVTVTETONLGLHHDGQFCH 60
Qy 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Qy 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEGRSRLGWLCLL 180
Qy 181 LLPIPLVWVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLVWVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
Qy 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Db 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Qy 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335
Db 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335

Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
Db 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
QY 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETIQTILKDIITSDSENSFRNEIQSLV 335

RESULT 9
US-09-665-615B-2
; Sequence 2, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665, 615B
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-665-615B-2

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLGIWTLPLVLTSSVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Db 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
Db 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
QY 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETIQTILKDIITSDSENSFRNEIQSLV 335

RESULT 10
PCT-US95-17083-2
; Sequence 2, Application PC/TUS9517083
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: SECRETED HUMAN FAS ANTIGEN
; NUMBER OF SEQUENCES: 16

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17083
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/371,263
; FILING DATE: 23-DEC-1994
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
PCT-US95-17083-2
Query Match 100.0%; Score 1804; DB 5; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLGIWTLPLVLTSSVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Db 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
Db 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
QY 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETIQTILKDIITSDSENSFRNEIQSLV 335

RESULT 11
US-09-013-895A-3
; Sequence 3, Application US/09013895A
; Patent No. 6342363
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4): Death
; TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
; TITLE OF INVENTION: Superfamily and Binding to Trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/013,895A
; FILING DATE: 27-JAN-1998
; CLASSIFICATION:

```
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-013-895A-3

Query Match 100.0%; Score 1804; DB 4; Length 669;
Best Local Similarity 100.0%; Pred. No. 4.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGLEVEINCT 120
DB 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGLEVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEEGSRNLGWLCLL 180
DB 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEEGSRNLGWLCLL 180
QY 181 LLPIPLVWVKREVKQTCRKHKENQSGHESPTINPETVAINLSDVDLSKYITTIAGVM 240
DB 181 LLPIPLVWVKREVKQTCRKHKENQSGHESPTINPETVAINLSDVDLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKIDITSSENSNFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKIDITSSENSNFRNEIQSLV 335

RESULT 12
US-09-448-868-3
; Sequence 3, Application US/09448868
; Patent No. 6461823
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4): Death
; TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
; TITLE OF INVENTION: Superfamily and Binding to Trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESS: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/448,868

; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/013,895
; FILING DATE: 27-JAN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-448-868-3

Query Match 100.0%; Score 1804; DB 4; Length 669;
Best Local Similarity 100.0%; Pred. No. 4.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGLEVEINCT 120
DB 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGLEVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEEGSRNLGWLCLL 180
DB 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEEGSRNLGWLCLL 180
QY 181 LLPIPLVWVKREVKQTCRKHKENQSGHESPTINPETVAINLSDVDLSKYITTIAGVM 240
DB 181 LLPIPLVWVKREVKQTCRKHKENQSGHESPTINPETVAINLSDVDLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKIDITSSENSNFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKIDITSSENSNFRNEIQSLV 335

RESULT 13
US-08-815-469-6
; Sequence 6, Application US/08815469
; Patent No. 6153402
; GENERAL INFORMATION:
; APPLICANT: Xu, Guo-Liang
; APPLICANT: Ni, Jian
; APPLICANT: Dixit, Vishva
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dillon, Patrick J.
; TITLE OF INVENTION: Death Domain Containing Receptors
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESS: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., NW, Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/815,469
; FILING DATE: HEREWITH
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: No. 6153402 Yet Assigned
; FILING DATE: 06-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,711
; FILING DATE: 17-OCT-1996
; APPLICATION DATA: US 60/013,285
; FILING DATE: 12-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0310003/EKS/KRM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-08-815-469-6

Query Match 99.3%; Score 1792; DB 3; Length 335;
Best Local Similarity 99.7%; Pred. No. 2.5e-159;
Matches 334; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLRLKTVTTVETONLGLHHDGQFCH	60
Db	1	MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLRLKTVTTVETONLGLHHDGQFCH	60
Qy	61	KPCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKCRRLCDEGHGVEINCT	120
Db	61	KPCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKCRRLCDEGHGVEINCT	120
Qy	121	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	180
Db	121	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	180
Qy	181	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVLSKYITTIAGVM	240
Db	181	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVLSKYITTIAGVM	240
Qy	241	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
Db	241	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
Qy	301	ANLCTLAETQITILKIDTSDSENSNFRNEIQSLV	335
Db	301	ANLCTLAETQITILKIDTSDSENSNFRNEIQSLV	335

RESULT 14
US-09-086-483A-3
; Sequence 3, Application US/09086483A
; Patent No. 6214580
; GENERAL INFORMATION:
; APPLICANT: NI, et al.
; TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR TR10
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD

; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/086,483A
; FILING DATE: May-29-98
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/050,936
; FILING DATE: May-30-97
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/069,112
; FILING DATE: Dec-9-97
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BROOKES, ANDERS A.
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF379
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 331 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-086-483A-3

Query Match 96.6%; Score 1743; DB 3; Length 331;
Best Local Similarity 98.8%; Pred. No. 9.2e-155;
Matches 331; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

Qy	1	MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLRLKTVTTVETONLGLHHDGQFCH	60
Db	1	MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLRLKTV-TVETONLGLHHDGQFCH	59
Qy	61	KPCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKCRRLCDEGHGVEINCT	120
Db	60	-PCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKCRRLCDEGHGVEINCT	118
Qy	121	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	180
Db	119	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	177
Qy	181	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVLSKYITTIAGVM	240
Db	178	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVLSKYITTIAGVM	237
Qy	241	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
Db	238	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	297
Qy	301	ANLCTLAETQITILKIDTSDSENSNFRNEIQSLV	335
Db	298	ANLCTLAETQITILKIDTSDSENSNFRNEIQSLV	331

RESULT 15
US-09-580-212-3
; Sequence 3, Application US/09580212
; Patent No. 6506569
; GENERAL INFORMATION:
; APPLICANT: NI, Jian et al.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR10
; FILE REFERENCE: PF379P1
; CURRENT APPLICATION NUMBER: US/09/580,212

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; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/136,786
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/142,563
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: 60/144,023
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
;
us-09-580-212-3

Query Match      96.6%; Score 1743; DB 4; Length 331;
Best Local Similarity 98.8%; Pred. No. 9.2e-155;
Matches 331; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

Qy 1 MLGIWTLPLVLTISVARLSSKSVNAQVTDINSKGLRLKTVTTVETQNLGLHHGQFCH 60
Db 1 MLGIWTLPLVLTISVARLSSKSVNAQVTDINSKGLRLKTV-TVETQNLGLHHGQFCH 59

Qy 61 KPCPPGGRKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRCRLCDEGHGVEINCT 120
Db 60 -PCPPGGRKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRCRLCDEGHGVEINCT 118

Qy 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIECTLTASNTKCKEESRSNLGWLCLL 180
Db 119 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIECTLTASNTKCKEESRSN-GWLCLL 177

Qy 181 LLPIPLIWWKRKEVQKTCRKHKENQSHSPTLNBPETVAINLSDVLSKYITTIAGVM 240
Db 178 LLPIPLIWWKRKEVQKTCRKHKENQSHSPTLNBPETVAINLSDVLSKYITTIAGVM 237

Qy 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 238 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQHGKKEAYDTLIKDLKK 297

Qy 301 ANLCTLAEKIQTIIILKDTSDSENSFNFRNEIQSLV 335
Db 298 ANLCTLAEKI-TIIILKDTSDSENSFNFRNEIQSLV 331
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Search completed: September 28, 2004, 10:56:30
Job time : 25.2779 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 28, 2004, 10:52:43 : Search time 90.0755 Seconds
(without alignments)
1195.909 Million cell updates/sec

Title: US-09-446-634B-22

Perfect score: 1804

Sequence: 1 MLGIWTLPLVLTSLVARLSS.....KDIITSDSENSFRNEIQSLV 335

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications AA:*

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10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pap.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pap.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1804	100.0	335	9	US-09-826-212-7
2	1804	100.0	335	9	US-09-802-669-2
3	1804	100.0	335	9	US-09-949-713-20
4	1804	100.0	335	9	US-09-874-138-4
5	1804	100.0	335	9	US-09-884-987-2
6	1804	100.0	335	9	US-09-935-727-9
7	1804	100.0	335	13	US-10-619-220-2
8	1804	100.0	335	13	US-10-005-842-4
9	1804	100.0	335	14	US-10-175-902-3
10	1804	100.0	335	14	US-10-186-643-7
11	1804	100.0	335	15	US-10-418-242-9
12	1804	100.0	335	16	US-10-648-825-4
13	1804	100.0	335	16	US-10-774-622-4
14	1804	100.0	335	16	US-10-741-601-447
15	1804	100.0	669	14	US-10-226-296-3

16	1804	100.0	669	14	US-10-226-318-3	Sequence 3, Appli
17	1804	100.0	669	16	US-10-648-786-3	Sequence 3, Appli
18	1792	99.3	335	9	US-09-333-966-6	Sequence 6, Appli
19	1792	99.3	335	10	US-09-314-889-6	Sequence 6, Appli
20	1792	99.3	335	14	US-10-189-189-6	Sequence 6, Appli
21	1783.5	98.9	334	16	US-10-741-601-446	Sequence 446, App
22	1743	96.6	331	14	US-10-280-047-3	Sequence 3, Appli
23	1725	95.6	319	16	US-10-445-399-15	Sequence 15, Appl
24	1647	91.3	313	16	US-10-741-601-451	Sequence 451, App
25	1484	82.3	281	9	US-09-756-854-3	Sequence 3, Appli
26	1484	82.3	281	13	US-10-041-574-3	Sequence 3, Appli
27	1225	67.9	219	11	US-09-405-032-128	Sequence 128, App
28	997	55.3	237	9	US-09-925-299-960	Sequence 960, App
29	997	55.3	237	10	US-09-925-299-960	Sequence 960, App
30	960	53.2	201	16	US-10-741-601-449	Sequence 449, App
31	942	52.2	167	13	US-10-112-793-22	Sequence 22, Appl
32	893	49.5	157	9	US-09-949-713-15	Sequence 15, Appl
33	856	47.5	327	9	US-09-802-669-66	Sequence 66, Appl
34	856	47.5	327	12	US-10-619-220-66	Sequence 66, Appl
35	811.5	45.0	144	9	US-09-949-713-21	Sequence 21, Appl
36	811.5	45.0	159	9	US-09-949-713-23	Sequence 23, Appl
37	811.5	45.0	159	14	US-10-084-139-12	Sequence 12, Appl
38	811.5	45.0	376	9	US-09-949-713-22	Sequence 22, Appl
39	811.5	45.0	376	14	US-10-084-139-10	Sequence 10, Appl
40	757	42.0	128	9	US-09-949-713-9	Sequence 9, Appli
41	757	42.0	143	9	US-09-949-713-10	Sequence 10, Appl
42	757	42.0	360	9	US-09-949-713-11	Sequence 11, Appl
43	712	39.5	119	9	US-09-800-909-5	Sequence 5, Appli
44	712	39.5	119	9	US-09-884-987-3	Sequence 3, Appli
45	712	39.5	119	9	US-09-800-908-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-09-826-212-7
; Sequence 7, Application US/09826212
; Patent No. US20010021516A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; APPLICANT: NI, Jian
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280006
; CURRENT APPLICATION NUMBER: US/09/826.212
; CURRENT FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-212-7

Query Match 100.0%; Score 1804; DB 9; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	MLGIWTLPLVLTSLVARLSSKSVNAQVTIDNSKGLRLKTKVTVTQNLGLHHDGQFCH 60	
Qy	61	KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKCRCLCDEGHGVEINCT 120	
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Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQHGKKEAYDTLIKDLKK 300
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RESULT 2
US-09-802-669-2
; Sequence 2, Application US/09802669
; Patent No. US20020004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-669-2

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Best Local Similarity 100.0%; Pred. No. 1.2e-149; Indels 0; Gaps 0;
Matches 335; Conservative 0; Mismatches 0;
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Qy 121 RTQNTKCRCKPNFNCSTVCEHCDPCTCKEHIKECTLTSTNTKCKEGRSRLGWLCLL 180
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RESULT 3
US-09-949-713-20
; Sequence 20, Application US/09949713
; Patent No. US2002004494A1
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. US2002004494A1
; APPLICANT: NAGATA, Shigekazu

; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/949,713
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US/09/180,100
; PRIOR FILING DATE: 1998-11-02
; PRIOR APPLICATION NUMBER: PCT/JP97/01502
; PRIOR FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 20
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-949-713-20

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Best Local Similarity 100.0%; Pred. No. 1.2e-149; Indels 0; Gaps 0;
Matches 335; Conservative 0; Mismatches 0;
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Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRLCDEGHGVEINCT 120
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Db 121 RTQNTKCRCKPNFNCSTVCEHCDPCTCKEHIKECTLTSTNTKCKEGRSRLGWLCLL 180
Qy 181 LLPIPLIIVWKRKEVQKCRKHREKQSHESPTLNPETVAIINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLIIVWKRKEVQKCRKHREKQSHESPTLNPETVAIINLSDVLSKYITTIAGVM 240
Qy 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQHGKKEAYDTLIKDLKK 300
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Db 301 ANLCTLAEKIQTILKIDTSSENSFRNEIQSLV 335

RESULT 4
US-09-874-138-4
; Sequence 4, Application US/09874138
; Patent No. US20020072091A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-liang
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: 1488.1310006
; CURRENT APPLICATION NUMBER: US/09/874,138
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 09/042,583
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; NUMBER OF SEQ ID NOS: 14

us-09-446-634b-22.sep2004.rapb

Tue Sep 28 15:18:08 2004

Rosen, Craig A.

TITLE OF INVENTION: Death Domain Containing Receptor 5

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: MD

COUNTRY: US

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/005,842

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/042,583

FILING DATE: <Unknown>

APPLICATION NUMBER: US 60/040,846

FILING DATE: 17-MAR-1997

ATTORNEY/AGENT INFORMATION:

NAME: Hoover, Kenley

REGISTRATION NUMBER: 40,302

REFERENCE/DOCKET NUMBER: PF366

TELECOMMUNICATION INFORMATION:

TELEPHONE: 3013098504

TELEFAX: 3013098439

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 335 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-005-842-4

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Best Local Similarity 100.0%; Pred. No. 1.2e-149; Indels 0; Gaps 0;
Matches 335; Conservative 0; Mismatches 0;

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QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
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QY 301 ANLCTLAETIQTILKDTSDSENSNFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKDTSDSENSNFRNEIQSLV 335

RESULT 9
US-10-175-902-3
; Sequence 3, Application US/10175902

DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKDTSDSENSNFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKDTSDSENSNFRNEIQSLV 335

RESULT 7
US-10-619-220-2
; Sequence 2, Application US/10619220
; Publication No. US2004003979A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/10/619,220
; PRIOR FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 09/802,669
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-619-220-2

Query Match 100.0%; Score 1804; DB 12; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149; Indels 0; Gaps 0;
Matches 335; Conservative 0; Mismatches 0;

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DB 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEGRSRLGLCLL 180
QY 181 LPIPLIIVWKRKEVQTKRKHKENQSGHESPTLPETVAIINLSDVLSKYITTIAGVM 240
DB 181 LPIPLIIVWKRKEVQTKRKHKENQSGHESPTLPETVAIINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKDTSDSENSNFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKDTSDSENSNFRNEIQSLV 335

RESULT 8
US-10-005-842-4
; Sequence 4, Application US/10005842
; Publication No. US2002009850A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gutz, Reiner
; APPLICANT: Yu, Guo-liang
; APPLICANT: Su, Jeffrey

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; Publication No. US20030108516A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4
; FILE REFERENCE: 1488.1300005
; CURRENT APPLICATION NUMBER: US/10/175,902
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: 09/565,918
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/132,922
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: US 09/013,895
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: US 60/037,829
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: US 60/035,722
; PRIOR FILING DATE: 1997-01-28
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-175-902-3

Query Match      100.0%; Score 1804; DB 14; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      61  K P C P P G E R K A R D C T V N G D P C V C Q E G K E Y T D K A H F S S K C R R C L C D E G H G L E V I N C T 120
Db      61  K P C P P G E R K A R D C T V N G D P C V C Q E G K E Y T D K A H F S S K C R R C L C D E G H G L E V I N C T 120

Qy      121  R T Q N T K C R C K N F F C N S T V C H E D P C T K C E H G I I K E C T L T S N T K C K E G S R S N L G W L C L L 180
Db      121  R T Q N T K C R C K N F F C N S T V C H E D P C T K C E H G I I K E C T L T S N T K C K E G S R S N L G W L C L L 180

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Db      181  L L P I P L I V W K R K E V Q K T C R K R K E N Q G S H E S P T I N P E T V A I N L S D V D L S K Y I T T I A G V M 240

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Qy      301  A N L C T L A E K I Q T I I L K D I T S D S E N S N F R N E I Q S L V 335
Db      301  A N L C T L A E K I Q T I I L K D I T S D S E N S N F R N E I Q S L V 335

RESULT 10
US-10-186-643-7
; Sequence 7, Application US/10186643
; Publication No. US20030118546A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280004
; CURRENT APPLICATION NUMBER: US/10/186,643
; CURRENT FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US/09/573,986
; PRIOR FILING DATE: 2000-05-18
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; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-186-643-7

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Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      121  R T Q N T K C R C K N F F C N S T V C H E D P C T K C E H G I I K E C T L T S N T K C K E G S R S N L G W L C L L 180

Qy      181  L L P I P L I V W K R K E V Q K T C R K R K E N Q G S H E S P T I N P E T V A I N L S D V D L S K Y I T T I A G V M 240
Db      181  L L P I P L I V W K R K E V Q K T C R K R K E N Q G S H E S P T I N P E T V A I N L S D V D L S K Y I T T I A G V M 240

Qy      241  T L S O V K G F V R K N G V N E A K I D E I K N D N V Q D T A E Q K V Q L L R N W H Q L H G K K E A Y D T L I K D L K K 300
Db      241  T L S O V K G F V R K N G V N E A K I D E I K N D N V Q D T A E Q K V Q L L R N W H Q L H G K K E A Y D T L I K D L K K 300

Qy      301  A N L C T L A E K I Q T I I L K D I T S D S E N S N F R N E I Q S L V 335
Db      301  A N L C T L A E K I Q T I I L K D I T S D S E N S N F R N E I Q S L V 335

RESULT 11
US-10-418-242-9
; Sequence 9, Application US/10418242
; Publication No. US20040013664A1
; GENERAL INFORMATION:
; APPLICANT: Gentz et al.
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
; FILE REFERENCE: PP454P3
; CURRENT APPLICATION NUMBER: US/10/418,242
; CURRENT FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 60/373,604
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/935,727
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/303,224
; PRIOR FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 60/252,131
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: 60/227,598
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 09/518,931
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 60/168,235
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: 60/146,371
; PRIOR FILING DATE: 1999-08-02
; PRIOR APPLICATION NUMBER: 60/131,964
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/131,279
; PRIOR FILING DATE: 1999-04-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 51
; SEQ ID NO 9
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
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Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVRLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVRLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60

Qy 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120

Qy 121 RTQNTKCRKCNPFNSVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRKCNPFNSVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180

Qy 181 LLPIPLIIVWKRKEVQKTCRKHKENOGSHESPTINPETVAINLSVDLSKYITTIAGVM 240
Db 181 LLPIPLIIVWKRKEVQKTCRKHKENOGSHESPTINPETVAINLSVDLSKYITTIAGVM 240

Qy 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300

Qy 301 ANLCTLAETIOTIILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETIOTIILKDIITSDSENSFRNEIQSLV 335

RESULT 13
US-10-774-622-4
; Sequence 4, Application US/10774622
; Publication No. US20040141952A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: 1498.1310006
; CURRENT APPLICATION NUMBER: US/10/774,622
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US/09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 09/042,583
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-774-622-4

Query Match 100.0%; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVRLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVRLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60

Qy 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120

US-10-418-242-9

Query Match 100.0%; Score 1804; DB 15; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVRLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVRLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60

Qy 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120

Qy 121 RTQNTKCRKCNPFNSVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRKCNPFNSVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180

Qy 181 LLPIPLIIVWKRKEVQKTCRKHKENOGSHESPTINPETVAINLSVDLSKYITTIAGVM 240
Db 181 LLPIPLIIVWKRKEVQKTCRKHKENOGSHESPTINPETVAINLSVDLSKYITTIAGVM 240

Qy 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300

Qy 301 ANLCTLAETIOTIILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETIOTIILKDIITSDSENSFRNEIQSLV 335

RESULT 12
US-10-648-825-4
; Sequence 4, Application US/10648825
; Publication No. US20040136951A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Su, Jeffrey
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: PF366P2
; CURRENT APPLICATION NUMBER: US/10/648,825
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 09/042,538
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1998-05-04
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: 09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/406,307
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 60/413,747
; PRIOR FILING DATE: 2002-09-27
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: human
US-10-648-825-4

Query Match 100.0%; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;

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Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEBSRNLGWLCLL 180
QY 181 LLPIPLIIVWVRKEVQKTCRKRKENQGSHEPTLNPEVAIINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLIIVWVRKEVQKTCRKRKENQGSHEPTLNPEVAIINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAEKIQTIIILKDTSDSENSFRNEIOSLV 335
Db 301 ANLCTLAEKIQTIIILKDTSDSENSFRNEIOSLV 335

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RESULT 14

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US-10-741-601-447
; Sequence 447, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 447
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-447

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Query Match 100.0%; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGIWTLPLVLTSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGFCH 60
Db 1 MGIWTLPLVLTSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGFCH 60
QY 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRRLCDEGHLEVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRRLCDEGHLEVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEBSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEBSRNLGWLCLL 180
QY 181 LLPIPLIIVWVRKEVQKTCRKRKENQGSHEPTLNPEVAIINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLIIVWVRKEVQKTCRKRKENQGSHEPTLNPEVAIINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAEKIQTIIILKDTSDSENSFRNEIOSLV 335
Db 301 ANLCTLAEKIQTIIILKDTSDSENSFRNEIOSLV 335

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RESULT 15

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US-10-226-296-3
; Sequence 3, Application US/10226296
; Publication No. US20030036168A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; Rosen, Craig A.

```

```

; Pan, James G.
; Gentz, Reiner L.
; Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
; Receptor 4), Member of the TNF-Receptor
; Superfamily and Binding to Trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/236,296
; FILING DATE: 23-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/448,868
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 09/013,895
; FILING DATE: 27-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-226-296-3

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Query Match 100.0%; Score 1804; DB 14; Length 669;
Best Local Similarity 100.0%; Pred. No. 2.9e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGIWTLPLVLTSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGFCH 60
Db 1 MGIWTLPLVLTSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGFCH 60
QY 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRRLCDEGHLEVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRRLCDEGHLEVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEBSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTSTNTCKEBSRNLGWLCLL 180
QY 181 LLPIPLIIVWVRKEVQKTCRKRKENQGSHEPTLNPEVAIINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLIIVWVRKEVQKTCRKRKENQGSHEPTLNPEVAIINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAEKIQTIIILKDTSDSENSFRNEIOSLV 335
Db 301 ANLCTLAEKIQTIIILKDTSDSENSFRNEIOSLV 335

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us-09-446-634b-22.sep2004.rapb

Tue Sep 28 15:18:08 2004

Search completed: September 28, 2004, 11:11:16
Job time : 92.0755 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 28, 2004, 10:40:08 ; Search time 22.7221 Seconds
(without alignments)
742.965 Million cell updates/sec

Title: US-09-446-634B-23

Perfect score: 1804

Sequence: 1 MLWIWAVLPLVLAGSQLRVH.....KDLGKSTPTGTGNEGQCILE 327

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued Patents AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1804	100.0	327	3	US-09-290-640-66
2	1804	100.0	327	4	US-09-665-615B-66
3	863.5	47.9	669	4	US-09-013-895A-3
4	863.5	47.9	669	4	US-09-448-868-3
5	856	47.5	335	2	US-08-219-237B-2
6	856	47.5	335	2	US-08-409-338-1
7	856	47.5	335	3	US-08-290-640-2
8	856	47.5	335	3	US-09-006-353A-7
9	856	47.5	335	3	US-08-468-560C-2
10	856	47.5	335	4	US-09-180-100-20
11	856	47.5	335	4	US-09-565-918-3
12	856	47.5	335	4	US-09-573-986-7
13	856	47.5	335	4	US-09-665-615B-2
14	856	47.5	335	5	PCT-US95-17083-2
15	844	46.8	335	3	US-08-815-469-6
16	825	45.7	331	3	US-09-086-483A-3
17	825	45.7	331	4	US-09-580-212-3
18	825	45.7	331	4	US-09-769-402-3
19	810.5	44.9	314	1	US-08-444-231-19
20	810.5	44.9	314	1	US-08-152-443A-19
21	810.5	44.9	314	5	PCT-US95-17083-4
22	645	35.8	281	4	US-09-527-236A-3
23	645	35.8	281	4	US-09-756-854-3
24	585	32.4	219	3	US-08-974-022-45
25	585	32.4	219	3	US-08-795-445A-45
26	585	32.4	219	3	US-08-795-447A-45
27	585	32.4	219	3	US-08-974-186-45

28 585 32.4 219 3 US-08-795-446B-45 Sequence 45, Appl
29 585 32.4 219 4 US-08-706-945D-131 Sequence 131, Appl
30 585 32.4 219 4 US-08-577-788C-45 Sequence 45, Appl
31 523 29.0 167 4 US-08-828-683A-22 Sequence 22, Appl
32 496 27.5 157 4 US-09-180-100-15 Sequence 15, Appl
33 494.5 27.4 144 4 US-09-180-100-21 Sequence 21, Appl
34 494.5 27.4 159 4 US-09-180-100-23 Sequence 23, Appl
35 494.5 27.4 128 4 US-09-180-100-22 Sequence 22, Appl
36 470 26.1 143 4 US-09-180-100-9 Sequence 9, Appl
37 470 26.1 143 4 US-09-180-100-10 Sequence 10, Appl
38 470 26.1 143 4 US-09-180-100-11 Sequence 11, Appl
39 462 25.6 119 4 US-08-828-683A-15 Sequence 15, Appl
40 460 25.5 119 3 US-08-219-237B-3 Sequence 3, Appl
41 460 25.5 119 3 US-08-477-347-14 Sequence 14, Appl
42 460 25.5 119 3 US-08-476-862-5 Sequence 5, Appl
43 460 25.5 119 3 US-08-468-560C-3 Sequence 3, Appl
44 460 25.5 119 4 US-09-800-909-5 Sequence 5, Appl
45 460 25.5 119 4 US-09-800-908-14 Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-09-290-640-66
; Sequence 66, Application US/09290640
; Patent No. 6204055
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0351
; CURRENT APPLICATION NUMBER: US/09/290,640
; CURRENT FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 66
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-290-640-66

Query Match 100.0%; Score 1804; DB 3; Length 327;
Best Local Similarity 100.0%; Pred. No. 4.6e-158;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLWIWAVLPLVLAGSQLRVHVTQGTNSISLKLRRRVHETDKNCSEGLYQGPFCCPCQ 60
Db 1 MLWIWAVLPLVLAGSQLRVHVTQGTNSISLKLRRRVHETDKNCSEGLYQGPFCCPCQ 60

Qy 61 PGKKKVEDCKMNGGTPTCACTEGKEYMDKNHVKRCRCTLCDDEHGLEVETNCTLTON 120
Db 61 PGKKKVEDCKMNGGTPTCACTEGKEYMDKNHVKRCRCTLCDDEHGLEVETNCTLTON 120

Qy 121 TKCKKCPDFCDSPGCHVRCASCEHGTLEPTATNTNCRKQSPNRLWLLTILVLLI 180
Db 121 TKCKKCPDFCDSPGCHVRCASCEHGTLEPTATNTNCRKQSPNRLWLLTILVLLI 180

Qy 181 PLVFIYRKYKRRKWKRRQDDPESRTSSRETIPMNASNLSKYPRIADMTIOEAKKF 240
Db 181 PLVFIYRKYKRRKWKRRQDDPESRTSSRETIPMNASNLSKYPRIADMTIOEAKKF 240

Qy 241 ARENNIKEGKIDIMHDSIQDTAEQKVQLLWCYQSHGKSDAYQDLIKGLKKAECRRITLD 300
Db 241 ARENNIKEGKIDIMHDSIQDTAEQKVQLLWCYQSHGKSDAYQDLIKGLKKAECRRITLD 300

Qy 301 KFDQMVQKDLGKSTPTGTGNEGQCILE 327
Db 301 KFDQMVQKDLGKSTPTGTGNEGQCILE 327

RESULT 2
US-09-665-615B-66

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/013,895A
 FILING DATE: 27-JAN-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1488.1300002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-013-895A-3

Query Match 47.9%; Score 863.5; DB 4; Length 669;
 Best Local Similarity 49.2%; Pred. No. 4.4e-71;
 Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;
 QY 1 MLWTWAVLPLVLG----SQLRVHTQGTNSISLSKLRVRVHETDKNCSGLYQGGPFCC 56
 DB 336 MLGIWTLPLVLTVLSVARLSKSVNAQVTDINSKGLRKTVTTVETQNLGLHHDGQFCH 395
 QY 57 QPCQPKKKVEDCKNGGTPCAPCTEGKYMKNHYADKCRCTLCDEHGLEVEINCT 116
 DB 396 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRCRLCDEHGLEVEINCT 455
 QY 117 LTQNTCKKPPDYCDSPGCEHCVCPCASEHGTLEPTATNTNCRKQSPRNLWLLTIL 176
 DB 456 RTQNTCKKCPNFFCNSTVCEHCDPTCKEHLIIECTILTSNTCKEBSRNLGWLKLL 515
 QY 177 VLLIPLVFIYRKRKCKWRRQDDP---ESRTSRETIPMNASLSLSKYIPRIADMT 233
 DB 516 LLIPLIIVVREKVCQTKERKENQSGSHESPTLNPETVAINLSVDLSKYITTIAGVMT 575
 QY 234 IOEAKKFARENKIKGKIDEIMHDSIODTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKA 293
 DB 576 LSQVGFVKNGVNEAKIDEIKNDVQDVAEQVQLLRNWHQLHGKKEAYDTLILKDLKKA 635
 QY 294 ECRPLDKFQDMVQKDLGKSTPDTGNEGQCL 326
 DB 636 NLCTTAEKIQTILKIDTSNSENFRNIQSL 668

RESULT 4
 US-09-448-868-3
 ; Sequence 3, Application US/09448868
 ; Patent No. 6461823
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; APPLICANT: Rosen, Craig A.
 ; APPLICANT: Pan, James G.
 ; APPLICANT: Gentz, Reiner L.
 ; APPLICANT: Dixit, Vishva M.
 ; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
 ; TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
 ; TITLE OF INVENTION: Superfamily and Binding to Trail (AP02-L)
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 ; STREET: 9410 KEY WEST AVENUE
 ; CITY: ROCKVILLE
 ; STATE: MD
 ; COUNTRY: US
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:

Sequence 66, Application US/09665615B
 Patent No. 6653133
 GENERAL INFORMATION:
 APPLICANT: Dean, Nicholas M.
 APPLICANT: Marcussen, Eric G.
 APPLICANT: Wyatt, Jacqueline
 TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
 FILE REFERENCE: ISPH-0502
 CURRENT APPLICATION NUMBER: US/09/665,615B
 CURRENT FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: US 09/290,640
 PRIOR FILING DATE: 1999-04-12
 NUMBER OF SEQ ID NOS: 179
 SOFTWARE: Patent In Ver. 2.0
 SEQ ID NO 66
 LENGTH: 327
 TYPE: PRT
 ORGANISM: Mus musculus
 US-09-665-615B-66

Query Match 100.0%; Score 1804; DB 4; Length 327;
 Best Local Similarity 100.0%; Pred. No. 4.6e-158;
 Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MLWTWAVLPLVLGSQLRVHTQGTNSISLSKLRVRVHETDKNCSGLYQGGPFCCPCQ 60
 DB 1 MLWTWAVLPLVLGSQLRVHTQGTNSISLSKLRVRVHETDKNCSGLYQGGPFCCPCQ 60
 QY 61 PGKKVEDCKNGGTPCAPCTEGKYMKNHYADKCRCTLCDEHGLEVEINCTLTQN 120
 DB 61 PGKKVEDCKNGGTPCAPCTEGKYMKNHYADKCRCTLCDEHGLEVEINCTLTQN 120
 QY 121 TKCKKPPDYCDSPGCEHCVCPCASEHGTLEPTATNTNCRKQSPRNLWLLTILVLI 180
 DB 121 TKCKKPPDYCDSPGCEHCVCPCASEHGTLEPTATNTNCRKQSPRNLWLLTILVLI 180
 QY 181 PLVFIYRKRKCKWRRQDDPESRTSRETIPMNASLSLSKYIPRIADMTIOEAKKF 240
 DB 181 PLVFIYRKRKCKWRRQDDPESRTSRETIPMNASLSLSKYIPRIADMTIOEAKKF 240
 QY 241 ARENNIKGKIDEIMHDSIODTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKAECRTLD 300
 DB 241 ARENNIKGKIDEIMHDSIODTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKAECRTLD 300
 QY 301 KFDQMVQKDLGKSTPDTGNEGQCL 327
 DB 301 KFDQMVQKDLGKSTPDTGNEGQCL 327

RESULT 3
 US-09-013-895A-3
 ; Sequence 3, Application US/09013895A
 ; Patent No. 6342363
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni, Jian
 ; APPLICANT: Rosen, Craig A.
 ; APPLICANT: Pan, James G.
 ; APPLICANT: Gentz, Reiner L.
 ; APPLICANT: Dixit, Vishva M.
 ; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
 ; TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
 ; TITLE OF INVENTION: Superfamily and Binding to Trail (AP02-L)
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
 ; STREET: 9410 KEY WEST AVENUE
 ; CITY: ROCKVILLE
 ; STATE: MD
 ; COUNTRY: US
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/448,968
 FILING DATE: HEREWITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/013,895
 FILING DATE: 27-JAN-1998
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: STEFFE, ERIC K.
 REGISTRATION NUMBER: 36,688
 REFERENCE/DOCKET NUMBER: 1488.1300004
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 669 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-448-868-3

Query Match 47.9%; Score 863.5; DB 4; Length 669;
 Best Local Similarity 49.2%; Pred. No. 4.4e-71;
 Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;
 QY 1 MLWIAVPLVLAG----SQLRVHTQGTNSISLSKLRVHETDKNCSEGLYGGPCC 56
 DB 336 MLGIWILLPLVLSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 395
 QY 57 QPCPGKKKVEDCKMNGGTPTCAPTEGKEYMDKNHYADKRCRCTLCDERHGLEVEINCT 116
 DB 396 KPCEPGERKARDCTVNGDEPDVCPCQGEKYTDKAHFSKRCRCLCDEHGLEVEINCT 455
 QY 117 LTQNTKCKKDPDFCYDPSGCEHCVRCSCHGTLEPCTATSNCRKQSPRNLWLITIL 176
 DB 456 RTQNTKCRCKPNFCNVTCEHCDCPCTCKEHIKECTLTSTNCKEESGRSLGWLCLL 515
 QY 177 VLIPLVFIYKRYKRWKRRQDDP---ESRSTRETIPMNASLSKYIPRIADMT 233
 DB 516 LLPILIVVRKEVQKTCRKHRENQGSHPETLNPETVAINLSVDLSKYITTIAGWT 575
 QY 234 IQBAKFPARENNIKEGKIDIMHDSIQDTAEQKVLILLCWYQSHGKSDAYODLIGLKK 293
 DB 576 LSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVLRLNWHQHLGKKEAYDTLIKDLKK 635
 QY 294 ECRRLDKFQDMVQKDLGKSTPDTGNENEGQCL 326
 DB 636 NLCTLAEKIQTIIILKDIITSDSENSFRNEIQSL 668

RESULT 5

US-08-219-237B-2
 ; Sequence 2, Application US/08219237B
 ; Patent No. 5874546
 ; GENERAL INFORMATION:
 ; APPLICANT: NAGATA, Shigekazu
 ; APPLICANT: ITOH, Naoto
 ; APPLICANT: YONEHARA, Shin
 ; TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: James W. Hellwege
 ; STREET: P.O. Box 2266 Eads Station
 ; CITY: Arlington
 ; STATE: Virginia
 ; COUNTRY: USA

ZIP: 22202
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/219,237B
 ; FILING DATE: 28-MAR-1994
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/872,129
 ; FILING DATE: 22-APR-1992
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: James W. Hellwege
 ; REGISTRATION NUMBER: 28,808
 ; REFERENCE/DOCKET NUMBER: 516762
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 335 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-219-237B-2

Query Match 47.5%; Score 856; DB 2; Length 335;
 Best Local Similarity 49.4%; Pred. No. 8.7e-71;
 Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
 QY 1 MLWIAVPLVLAG----SQLRVHTQGTNSISLSKLRVHETDKNCSEGLYGGPCC 56
 DB 1 MLGIWILLPLVLSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
 QY 57 QPCPGKKKVEDCKMNGGTPTCAPTEGKEYMDKNHYADKRCRCTLCDERHGLEVEINCT 116
 DB 61 KPCEPGERKARDCTVNGDEPDVCPCQGEKYTDKAHFSKRCRCLCDEHGLEVEINCT 120
 QY 117 LTQNTKCKKDPDFCYDPSGCEHCVRCSCHGTLEPCTATSNCRKQSPRNLWLITIL 176
 DB 121 RTQNTKCRCKPNFCNVTCEHCDCPCTCKEHIKECTLTSTNCKEESGRSLGWLCLL 180
 QY 177 VLIPLVFIYKRYKRWKRRQDDP---ESTTSRETIPMNASLSKYIPRIADMT 232
 DB 181 LLPILIVVRKEVQKTCRKHRENQGSHPETLNPETVAINLSVDLSKYITTIAGVM 240
 QY 233 TIOBAKFPARENNIKEGKIDIMHDSIQDTAEQKVLILLCWYQSHGKSDAYODLIGLKK 292
 DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVLRLNWHQHLGKKEAYDTLIKDLKK 300
 QY 293 AECRRLDKFQDMVQKDLGKSTPDTGNENEGQCL 326
 DB 301 ANLCTLAEKIQTIIILKDIITSDSENSFRNEIQSL 334

RESULT 6

US-08-409-338-1
 ; Sequence 1, Application US/08409338
 ; Patent No. 5891434
 ; GENERAL INFORMATION:
 ; APPLICANT: Krammer, Peter H.
 ; APPLICANT: Debatin, Klaus-Michael
 ; APPLICANT: Trauth, Bernhard C.
 ; APPLICANT: Behrmann, Iris
 ; APPLICANT: Dhein, Jens
 ; APPLICANT: Klas, Christiane
 ; APPLICANT: Mller, Peter
 ; APPLICANT: Falk, Werner
 ; APPLICANT: Oehm Alexander
 ; APPLICANT: Daniel, Peter T.
 ; TITLE OF INVENTION: Monoclonal Antibodies to the APO-1 Antigen
 ; NUMBER OF SEQUENCES: 1
 ; CORRESPONDENCE ADDRESS:

ADDRESSSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington, MA 02173
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/409,338
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,644
FILING DATE: 16-JUN-1994
APPLICATION NUMBER: US 07/691,016
FILING DATE: 17-JUN-1991
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: CTR89-35A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-409-338-1

Query Match 47.5%; Score 856; DB 2; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLMTWAVLPLVLGAG---SQLRVHTQGTNSISLSKLRVRVHETDKNCSGLYQGGPFCC 56
Db 1 MLGIWTLPLVLTSLVARLSKSVNAQVTDINSKGLERKTVTVETQNLGLHHDGQFCH 60
QY 57 QPCQPGKKKVEDCKMNGGTTTCAPTCEGKEYMDKNHYADKRCRTLCDEHGLEVEINCT 116
Db 61 KPCEPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEHGLEVEINCT 120
QY 117 LTQNTKCKKPDYCDSPGCEHCVCASCCEHGTLEPCTATNTNCRKQSPRNRLWLLTIL 176
Db 121 RTQNTKCRCKPNFFCNSVTCEHCDPCTCKEHHGIIKECTLTSTNCKEBSRNLGWLCLL 180
QY 177 VLLIPL-VFIYRKYRKCKWKRRQDDP---ESRTSSRETIIPMNASNLSSKYIPRIADM 232
Db 181 LLPIPLIIVWVKREVKTCRKHKENQGSHPILNPETVAINLSVDLSKYVITTIAGVM 240
QY 233 TIQEAKKFARENNIKEGKIDIMHDSIQDTAEQVQLLLCWYQSHGSKSDAYQDLIKGLKK 292
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQLHGKKEAYDTLLIKLKK 300
QY 293 AECRRITDKFQDMVQKDLGKSTPDTGNENEGQCL 326
Db 301 ANLCTLAETIQTIIILKSDSSENFRNEIQSL 334

US-09-406-353A-7
Sequence 7, Application US/09006353A
Patent No. 6261801
GENERAL INFORMATION:
APPLICANT: WEI, YING-PEI
APPLICANT: YU, GUO-LIANG
APPLICANT: GENTZ, REINER
APPLICANT: RUBEN, STEVEN
TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD
COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/006,353A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BROOKES, ANDERS A
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF341
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-006-353A-7

Query Match 47.5%; Score 856; DB 3; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
QY 1 MLMIWAVLPVLVLAG----SQLRVHTQGTNSISESLKRRRVHETDKNCSEGLYQGPPCC 56
DB 1 MLGIWTLPLVLTSLVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGFCH 60
QY 57 QPCQPKKKVEDCKMNGTPTCAPCTEGKEYMDKNHYADKRCCTLCDEEHGLEVEINCT 116
DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 120
QY 117 LTQNTKCKKDPDFYCDSPGCEHCVRCAHGTLEPCTATSNCRKQSPRNLMLTIL 176
DB 121 RTQNTKCRCKNFNCSTVCEHCDPCTCKEHIIECTLTSTNTCKEGRSRLGWLCLL 180
QY 177 VLLIPL-VFIYRKVRKRCWKRRQDDP---ESRTSSRETIPMNASLSKYPRIADDM 232
DB 181 LLPIPLIIVWKRKEVQKTCRKHRENQSHSPETLNPETVAINLSDVLSKYITTIAGVM 240
QY 233 TIQAKFARNNITKEGKIDIMHDSIODTAQKVQLLLCWYQSHGKSDAYODLIKGLKK 292
DB 241 TLSQVKGFRKNGVNEAKIDBIKNDNVQDTAEQVQLLRNHLHGKKEAYDTLIKDLKK 300
QY 293 AECRTLDKFDQVQKDLGKSTPDTGNENEGQCL 326
DB 301 ANLCTLAETIILKIDITSDSENSFNFIQSL 334

RESULT 9
US-08-468-560C-2
Sequence 2, Application US/08468560C
Patent No. 6270998
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE
TITLE OF INVENTION: ANTIGEN
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
STREET: P.O. BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,560C
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR., GERLAD M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 20-4393P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-560C-2

Query Match 47.5%; Score 856; DB 3; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
QY 1 MLMIWAVLPVLVLAG----SQLRVHTQGTNSISESLKRRRVHETDKNCSEGLYQGPPCC 56
DB 1 MLGIWTLPLVLTSLVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGFCH 60
QY 57 QPCQPKKKVEDCKMNGTPTCAPCTEGKEYMDKNHYADKRCCTLCDEEHGLEVEINCT 116
DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 120
QY 117 LTQNTKCKKDPDFYCDSPGCEHCVRCAHGTLEPCTATSNCRKQSPRNLMLTIL 176
DB 121 RTQNTKCRCKNFNCSTVCEHCDPCTCKEHIIECTLTSTNTCKEGRSRLGWLCLL 180
QY 177 VLLIPL-VFIYRKVRKRCWKRRQDDP---ESRTSSRETIPMNASLSKYPRIADDM 232
DB 181 LLPIPLIIVWKRKEVQKTCRKHRENQSHSPETLNPETVAINLSDVLSKYITTIAGVM 240
QY 233 TIQAKFARNNITKEGKIDIMHDSIODTAQKVQLLLCWYQSHGKSDAYODLIKGLKK 292
DB 241 TLSQVKGFRKNGVNEAKIDBIKNDNVQDTAEQVQLLRNHLHGKKEAYDTLIKDLKK 300
QY 293 AECRTLDKFDQVQKDLGKSTPDTGNENEGQCL 326
DB 301 ANLCTLAETIILKIDITSDSENSFNFIQSL 334

RESULT 10
US-09-180-100-20
Sequence 20, Application US/09180100
Patent No. 6306395
GENERAL INFORMATION:
APPLICANT: NAKAMURA, No. 6306395io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/180,100
CURRENT FILING DATE: 1998-11-02
EARLIER APPLICATION NUMBER: PCT/JP97/01502
EARLIER FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 20
LENGTH: 335
TYPE: PRT
ORGANISM: Homo sapiens
US-09-180-100-20

Query Match 47.5%; Score 856; DB 4; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
QY 1 MLMIWAVLPVLVLAG----SQLRVHTQGTNSISESLKRRRVHETDKNCSEGLYQGPPCC 56
DB 1 MLGIWTLPLVLTSLVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGFCH 60
QY 57 QPCQPKKKVEDCKMNGTPTCAPCTEGKEYMDKNHYADKRCCTLCDEEHGLEVEINCT 116
DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 120
QY 117 LTQNTKCKKDPDFYCDSPGCEHCVRCAHGTLEPCTATSNCRKQSPRNLMLTIL 176
DB 121 RTQNTKCRCKNFNCSTVCEHCDPCTCKEHIIECTLTSTNTCKEGRSRLGWLCLL 180

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US-09-573-986-7
; Sequence 7, Application US/09573986
; Patent No. 6455040
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280004
; CURRENT APPLICATION NUMBER: US/09/573,986
; CURRENT FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-573-986-7

Query Match 47.5%; Score 856; DB 4; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLMIWALPLVLAG----SOLRVHTQGTNISISLKLRRRVHETDKNCSEGLYOGGPCC 56
DB 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLELRKTVTVTETQNLGLHHDGQFCH 60

QY 57 QPCQPKKKVEDCKMGGTPTCAPCTEGKEVMDKNHYADKRRRCTLCDDEHGLEVEINCT 116
DB 61 KPCCPGERKARDCTVNGDEPCVPCQBGKEYTDKAHSSKRCRCCLCDEGHGLEVEINCT 120

QY 117 LTQNTKCKKXPDFCYDGPGEHCVRCCASCEHGTLEPTATSTNTNCRKQSPNRNLWLLTIL 176
DB 121 RTQNTKCRKXPNFCNSTVCEHCDDPCTCKCEHGLIKECTLTSTNTKCKEGRSRNLGWLCLL 180

QY 177 VLLIPL-VFIYKRVKRCWKRRDDP---BSRTSSRTIPMNASNLISKYIPRIADM 232
DB 181 LLPIPLIVVWKRKEVQKTRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240

QY 233 TIQAKKFARENNIKEGKIDIMHDSIQDTAEQKVQLLLCWYQSHGKSDAYQDLIKGLKK 292
DB 241 TLSQVKGFRVNGVNEAKIDIKNDVQDTAEQKVQLLRNWHQLHGKKEAYDTLIKDLKK 300

QY 293 AECRTTLDKFDVMYQKLGKSTPTGNEGQCL 326
DB 301 ANLCTLAEKIQTIIKDKITSDSENSFRNEIQSL 334

RESULT 13
US-09-665-615B-2
; Sequence 2, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665,615B
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-665-615B-2

Query Match 47.5%; Score 856; DB 4; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;

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RESULT 12

Tue Sep 28 15:18:08 2004

[illegible]

Search completed: September 28, 2004, 10:56:31
Job time : 23.7221 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 28, 2004, 10:52:43 ; Search time 87.9245 Seconds
(without alignments)
1195.909 Million cell updates/sec

Title: US-09-446-634B-23

Perfect score: 1804

Sequence: 1 MLMTWAVLPVLVLAGSQLRVH.....KDLGKSTPDTGNNEGQCILE 327

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321559718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1804	100.0	327	9	US-09-802-669-66
2	1804	100.0	327	12	US-10-619-220-66
3	1351	74.9	242	14	US-10-193-616-9
4	1166	64.6	204	9	US-09-948-018-18
5	863.5	47.9	669	14	US-10-226-296-3
6	863.5	47.9	669	14	US-10-226-318-3
7	863.5	47.9	669	16	US-10-648-786-3
8	856	47.5	335	9	US-09-826-212-7
9	856	47.5	335	9	US-09-802-669-2
10	856	47.5	335	9	US-09-949-713-20
11	856	47.5	335	9	US-09-874-138-4
12	856	47.5	335	9	US-09-864-387-2
13	856	47.5	335	9	US-09-935-727-9
14	856	47.5	335	12	US-10-619-220-2
15	856	47.5	335	13	US-10-005-842-4

16	856	47.5	335	14	US-10-175-902-3
17	856	47.5	335	14	US-10-186-643-7
18	856	47.5	335	15	US-10-418-242-9
19	856	47.5	335	16	US-10-648-825-4
20	856	47.5	335	16	US-10-774-622-4
21	856	47.5	335	16	US-10-741-601-447
22	844	46.8	335	9	US-09-333-966-6
23	844	46.8	335	10	US-09-314-889-6
24	844	46.8	335	14	US-10-189-189-6
25	840.5	46.6	334	16	US-10-741-601-446
26	825	45.7	331	14	US-10-280-047-3
27	822	45.6	331	16	US-10-445-399-15
28	795	44.1	313	16	US-10-741-601-451
29	645	35.8	281	9	US-09-756-854-3
30	645	35.8	281	13	US-10-041-574-3
31	585	32.4	219	11	US-09-405-032-128
32	525	29.1	201	16	US-10-741-601-449
33	523	29.0	167	13	US-10-112-793-22
34	523	29.0	237	9	US-09-925-299-960
35	523	29.0	237	10	US-09-925-299-960
36	496	27.5	157	9	US-09-949-713-15
37	494.5	27.4	144	9	US-09-949-713-21
38	494.5	27.4	159	9	US-09-949-713-23
39	494.5	27.4	159	14	US-10-084-139-12
40	494.5	27.4	376	9	US-09-949-713-22
41	494.5	27.4	376	14	US-10-084-139-10
42	470	26.1	128	9	US-09-949-713-9
43	470	26.1	143	9	US-09-949-713-10
44	470	26.1	360	9	US-09-949-713-11
45	462	25.6	119	13	US-10-112-793-15

ALIGNMENTS

RESULT 1

US-09-802-669-66
; Sequence 66, Application US/09802669
; Patent No. US20020004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 66
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-802-669-66

Query Match 100.0%; Score 1804; DB 9; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.9e-146;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MLMTWAVLPVLVLAGSQLRVHTQGTNSISLSKLRRVHETDKNCSGLVGGFFCCQPCQ	60
Db	1	MLMTWAVLPVLVLAGSQLRVHTQGTNSISLSKLRRVHETDKNCSGLVGGFFCCQPCQ	60
QY	61	PGKKKVEDCKMNGGTTTCAPCTEGKEYMDKNHVDKRCRTLCDEBHGLEVEINCTLTQ	120
Db	61	PGKKKVEDCKMNGGTTTCAPCTEGKEYMDKNHVDKRCRTLCDEBHGLEVEINCTLTQ	120
QY	121	TKCKKPDYFCDSPGCEHCVRCAECHEGTLEPTATNTNCRKQSPRNLWLTILVLLI	180

121 TKCKCKPFDYCDSPGCEHCVRASCHEGTLEPCTATNTNCRQSPNRNLLTILVLLI 180
181 PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
181 PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
241 ARENNIKEGKIDIMHDSIQDTAEQKQVOLLCLWYQSHGKSDAYQDLIKGLKKAECRRTLD 300
241 ARENNIKEGKIDIMHDSIQDTAEQKQVOLLCLWYQSHGKSDAYQDLIKGLKKAECRRTLD 300
301 KFDQMWQKDLGKSTPDTGNEGQCLE 327
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RESULT 2
US-10-619-220-66
; Sequence 66, Application US/10619220
; Publication No. US20040033979A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/10/619,220
; CURRENT FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 09/802,669
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 66
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-619-220-66

Query Match 100.0%; Score 1804; DB 12; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.9e-146;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLWIWAVLPLVLGSLRVTQGTNSISESLKLRVHETDKNCSEGLYQGGPFCOPCQ 60
DB 1 MLWIWAVLPLVLGSLRVTQGTNSISESLKLRVHETDKNCSEGLYQGGPFCOPCQ 60
QY 61 PGKKKVEDCKMGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
DB 61 PGKKKVEDCKMGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
QY 121 TKCKCKPFDYCDSPGCEHCVRASCHEGTLEPCTATNTNCRQSPNRNLLTILVLLI 180
DB 121 TKCKCKPFDYCDSPGCEHCVRASCHEGTLEPCTATNTNCRQSPNRNLLTILVLLI 180
QY 181 PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
DB 181 PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
QY 241 ARENNIKEGKIDIMHDSIQDTAEQKQVOLLCLWYQSHGKSDAYQDLIKGLKKAECRRTLD 300
DB 241 ARENNIKEGKIDIMHDSIQDTAEQKQVOLLCLWYQSHGKSDAYQDLIKGLKKAECRRTLD 300
QY 301 KFDQMWQKDLGKSTPDTGNEGQCLE 327
DB 301 KFDQMWQKDLGKSTPDTGNEGQCLE 327

RESULT 3

US-10-193-616-9
; Sequence 9, Application US/10193616
; Publication No. US20030096355A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Ke
; TITLE OF INVENTION: Isolation, Identification, and Characterization of
; TITLE OF INVENTION: ymkz5, a novel
; TITLE OF INVENTION: member of the TNF-Receptor Supergene Family
; FILE REFERENCE: 01017/35551A
; CURRENT APPLICATION NUMBER: US/10/193,616
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: US/09/611,989
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/143,137
; PRIOR FILING DATE: 1999-07-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: FASA
US-10-193-616-9

Query Match 74.9%; Score 1351; DB 14; Length 242;
Best Local Similarity 100.0%; Pred. No. 1.7e-107;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLWIWAVLPLVLGSLRVTQGTNSISESLKLRVHETDKNCSEGLYQGGPFCOPCQ 60
DB 1 MLWIWAVLPLVLGSLRVTQGTNSISESLKLRVHETDKNCSEGLYQGGPFCOPCQ 60
QY 61 PGKKKVEDCKMGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
DB 61 PGKKKVEDCKMGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
QY 121 TKCKCKPFDYCDSPGCEHCVRASCHEGTLEPCTATNTNCRQSPNRNLLTILVLLI 180
DB 121 TKCKCKPFDYCDSPGCEHCVRASCHEGTLEPCTATNTNCRQSPNRNLLTILVLLI 180
QY 181 PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
DB 181 PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
QY 241 AR 242
DB 241 AR 242

RESULT 4
US-09-948-018-18
; Sequence 18, Application US/09948018
; Patent No. US20020150977A1
; GENERAL INFORMATION:
; APPLICANT: Theill et al
; TITLE OF INVENTION: TNF RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37677
; CURRENT APPLICATION NUMBER: US/09/948,018
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US 60/230,191
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 204
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-948-018-18

Query Match 64.6%; Score 1166; DB 9; Length 204;
Best Local Similarity 100.0%; Pred. No. 9.6e-92;
Matches 204; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWIAVLPVLVLAGSOLRVHTQGTNSISSESLKRRRVHETDKNCSEGLYQGGPCCQ 60
 Db 1 MLWIAVLPVLVLAGSOLRVHTQGTNSISSESLKRRRVHETDKNCSEGLYQGGPCCQ 60
 QY 61 PGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKCRCTLCDREHGLEVETNCTLQ 120
 Db 61 PGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKCRCTLCDREHGLEVETNCTLQ 120
 QY 121 TKCKKDPDFYCDSPGCEHCVRCAHGTLPCTATNTNCRKQSPRNLMLLTLVLLI 180
 Db 121 TKCKKDPDFYCDSPGCEHCVRCAHGTLPCTATNTNCRKQSPRNLMLLTLVLLI 180
 QY 181 PLVFIYKRYRKCKWKRRQDDPES 204
 Db 181 PLVFIYKRYRKCKWKRRQDDPES 204

RESULT 5

US-10-226-296-3
 ; Sequence 3, Application US/10226296
 ; Publication No. US2003036168A1
 ; GENERAL INFORMATION:

APPLICANT: Ni, Jian
 ; Rosen, Craig A.
 ; Pan, James G.
 ; Gentz, Reiner L.
 ; Dixit, Vishva M.

TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
 Receptor 4), Member of the TNF-Receptor
 Superfamily and Binding to Trail (AP02-L)

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: HUMAN GENOME SCIENCES, INC.

STREET: 9410 KEY WEST AVENUE

CITY: ROCKVILLE

STATE: MD

COUNTRY: US

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/226,296

FILING DATE: 23-Aug-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/448,868

FILING DATE: <Unknown>

APPLICATION NUMBER: 09/013,895

FILING DATE: 27-JAN-1998

ATTORNEY/AGENT INFORMATION:

NAME: STEFFE, ERIC K.

REGISTRATION NUMBER: 36,688

REFERENCE/DOCKET NUMBER: 1488.1300004

TELEPHONE: (202) 371-2600

TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 669 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-226-296-3

Query Match

Best Local Similarity 47.9%; Score 863.5; DB 14; Length 669;

Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIAVLPVLVLAGSOLRVHTQGTNSISSESLKRRRVHETDKNCSEGLYQGGPCCQ 56
 Db 336 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERKTVTTVETONLEGLHHDGQFCH 395
 QY 57 QPCOPGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKCRCTLCDREHGLEVETNCT 116
 Db 396 KPCPPGGERKARDCTVNGDEPCVPCQEGKEYTDKAHFSKCRRCRCRCDEHGLEVEINCT 455
 QY 117 LTQNTKCKKDPDFYCDSPGCEHCVRCAHGTLPCTATNTNCRKQSPRNLMLLTLI 176
 Db 456 RTQNTKCKCKENFNCSTVCEHCPCTYCEHGIKECTLTNTKCKEGSRNLGWLCLL 515
 QY 177 VLLIPLVFIYKRYRKCKWKRRQDDP-----ESRTSSRETIPMNASNLSKYPRIAE 233
 Db 516 LLPIPLVIVKRKEYQKTCRKHKENQGSHEPTLNPTVAIINLSDVLSKYITTIAGVMT 575
 QY 234 IQEAKKFARENNIKEGKIDETIMHDSIODTAROKVOLLICWYQSHGKSDAYODLIKGLKA 293
 Db 576 LSQVKGFRKNGVNEAKIDEIKNDNVQDTABQKVLRLRNWHQLHGKKEAYDTLINDLKA 635
 QY 294 ECRRTLDKFDQMVOKDLGKSTPDGTGENEGQCL 326
 Db 636 NLCTLAEKIQTIIILKDIITSDSENSNFRNEIQSL 668

RESULT 6

US-10-226-318-3

; Sequence 3, Application US/10226318

; Publication No. US20030073187A1

; GENERAL INFORMATION:

APPLICANT: Ni, Jian

; Rosen, Craig A.

; Pan, James G.

; Gentz, Reiner L.

; Dixit, Vishva M.

TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
 Receptor 4), Member of the TNF-Receptor
 Superfamily and Binding to Trail (AP02-L)

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: HUMAN GENOME SCIENCES, INC.

STREET: 9410 KEY WEST AVENUE

CITY: ROCKVILLE

STATE: MD

COUNTRY: US

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/226,318

FILING DATE: 23-Aug-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/448,868

FILING DATE: <Unknown>

APPLICATION NUMBER: 09/013,895

FILING DATE: 27-JAN-1998

ATTORNEY/AGENT INFORMATION:

NAME: STEFFE, ERIC K.

REGISTRATION NUMBER: 36,688

REFERENCE/DOCKET NUMBER: 1488.1300004

TELEPHONE: (202) 371-2600

TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 669 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-226-318-3

Query Match 47.9%; Score 863.5; DB 14; Length 669;
Best Local Similarity 49.2%; Pred. No. 3.5e-65;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIAVLPLVLG----SOLRVHTQGTNSISSESLKLRVRVHETDKNCSGLYQGGPFCC 56
DB 336 MLGIWTLPLVLTSLVARLSKSVNAQVTDINSKGLRLKVTVTVEQNLGLHHDGQFCH 395
QY 57 QPCQPGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRTCLCDEHGLEVEINCT 116
DB 396 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRRLCDEHGLEVEINCT 455
QY 117 LTQNTKCKKPPDFCDSPGCEHCVRASCCEHGTLEPCTATSNCRKQSPNRRLWLLTIL 176
DB 456 RTQNTKCRCKPNFFCNSVCHCDPCTCKEKGIIKECTLTNTKCKEGRSRLGWLCLL 515
QY 177 VLLIPLVFIYKRYKRCWKRRDDP---ESRTSSRETIPMNASNLISKYIPRIADMT 233
DB 516 LLPPLIVVKRKEVQKTCRKIRKENQGSHPSTLNPEVAIINLSDVLSKYITTIAGVMT 575
QY 234 IQEAKKFARENNIKEGKIDEIMHDSIQDTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKA 293
DB 576 LSQVKGFRVKNVNEAKIDEIKNDNVQDTAEQVOLLRNWHQLHGKKEAYDTLIKDLKKA 635
QY 294 ECRRTLDFQDMVQKDLGKSTPDTGNEGQCL 326
DB 636 NLCTLAEKIQTIIKLDITSDSENSFRNEIOSL 668

RESULT 8
US-09-826-212-7
; Sequence 7, Application US/09826212
; Patent No. US20010021516A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; APPLICANT: Ni, Jian
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280006
; CURRENT APPLICATION NUMBER: US/09/826,212
; CURRENT FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-212-7

Query Match 47.5%; Score 856; DB 9; Length 335;
Best Local Similarity 49.4%; Pred. No. 6.5e-65;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLWIAVLPLVLG----SOLRVHTQGTNSISSESLKLRVRVHETDKNCSGLYQGGPFCC 56
DB 1 MLGIWTLPLVLTSLVARLSKSVNAQVTDINSKGLRLKVTVTVEQNLGLHHDGQFCH 60
QY 57 QPCQPGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRTCLCDEHGLEVEINCT 116
DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRRLCDEHGLEVEINCT 120
QY 117 LTQNTKCKKPPDFCDSPGCEHCVRASCCEHGTLEPCTATSNCRKQSPNRRLWLLTIL 176
DB 121 RTQNTKCRCKPNFFCNSVCHCDPCTCKEKGIIKECTLTNTKCKEGRSRLGWLCLL 180
QY 177 VLLIPLVFIYKRYKRCWKRRDDP---ESRTSSRETIPMNASNLISKYIPRIADMT 232
DB 181 LLPPLIVVKRKEVQKTCRKIRKENQGSHPSTLNPEVAIINLSDVLSKYITTIAGVMT 240
QY 233 TIQEAKKFARENNIKEGKIDEIMHDSIQDTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKA 292
DB 241 TLSQVKGFRVKNVNEAKIDEIKNDNVQDTAEQVOLLRNWHQLHGKKEAYDTLIKDLKKA 300
QY 293 AECRTLDFQDMVQKDLGKSTPDTGNEGQCL 326

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-226-318-3

Query Match 47.9%; Score 863.5; DB 14; Length 669;
Best Local Similarity 49.2%; Pred. No. 3.5e-65;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIAVLPLVLG----SOLRVHTQGTNSISSESLKLRVRVHETDKNCSGLYQGGPFCC 56
DB 336 MLGIWTLPLVLTSLVARLSKSVNAQVTDINSKGLRLKVTVTVEQNLGLHHDGQFCH 395
QY 57 QPCQPGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRTCLCDEHGLEVEINCT 116
DB 396 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRRLCDEHGLEVEINCT 455
QY 117 LTQNTKCKKPPDFCDSPGCEHCVRASCCEHGTLEPCTATSNCRKQSPNRRLWLLTIL 176
DB 456 RTQNTKCRCKPNFFCNSVCHCDPCTCKEKGIIKECTLTNTKCKEGRSRLGWLCLL 515
QY 177 VLLIPLVFIYKRYKRCWKRRDDP---ESRTSSRETIPMNASNLISKYIPRIADMT 233
DB 516 LLPPLIVVKRKEVQKTCRKIRKENQGSHPSTLNPEVAIINLSDVLSKYITTIAGVMT 575
QY 234 IQEAKKFARENNIKEGKIDEIMHDSIQDTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKA 293
DB 576 LSQVKGFRVKNVNEAKIDEIKNDNVQDTAEQVOLLRNWHQLHGKKEAYDTLIKDLKKA 635
QY 294 ECRRTLDFQDMVQKDLGKSTPDTGNEGQCL 326
DB 636 NLCTLAEKIQTIIKLDITSDSENSFRNEIOSL 668

RESULT 7
US-10-648-786-3
; Sequence 3, Application US/10648786
; Publication No. US20040136950A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A
; APPLICANT: Pan, James G
; APPLICANT: Gentz, Reiner L
; APPLICANT: Dixit, Vishva M
; TITLE OF INVENTION: Death Domain Containing Receptor-4
; FILE REFERENCE: PF355P2
; CURRENT APPLICATION NUMBER: US/10/648,786
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: 60/035,722
; PRIOR FILING DATE: 1997-01-28
; PRIOR APPLICATION NUMBER: 60/037,829
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: 09/013,895
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 60/132,922
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/565,918
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: 60/406,922
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: 60/413,861
; PRIOR FILING DATE: 2002-09-27
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 669
; TYPE: PRT
; ORGANISM: human
US-10-648-786-3

Query Match 47.9%; Score 863.5; DB 16; Length 669;
Best Local Similarity 49.2%; Pred. No. 3.5e-65;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

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Db 301 ANCLTAEKIQITLKDITSDSENSFRNEIQL 334

RESULT 9
US-09-802-669-2
; Sequence 2, Application US/09802669
; Patent No. US2002004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/230,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-669-2

Query Match 47.5%; Score 856; DB 9; Length 335;
Best Local Similarity 49.4%; Pred. No. 6.5e-65;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLMIWAFLPLVLAVLQ-----SOLRVHTQGTNSISLSKLRRLRRVHETDKNCEGLYQGGPFCC 56
Db 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 57 QPCQPGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHADVCKRECTLCDEHGLEVEINCT 116
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEHGLEVEINCT 120
QY 117 LTONTKCKKPFCDYCDSPGCEHCVCASCEHGTLEPCTATNTNCRKQSPRNLWLITIL 176
Db 121 RTONTKCRCKPNFFCNSTVCEHCDPCTCKEHIKECTLTNTKCKEGRSNGMLCLL 180
QY 177 VLLIPL-VFIYKRYKRCWKRRQDDP---ESRTSSRETIPMNASNLSSKYIPRIADM 232
Db 181 LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
QY 233 TIQAKKFPARENNIKEGKIDHMDSIQDTAEQKVOLLCLWCYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVOLLRNHQLHGKKEAYDTLLIKDLKK 300
QY 293 AECRTLDKFQDMVQKDLGKSTPDTGNENEGQCL 326
Db 301 ANCLTAEKIQITLKDITSDSENSFRNEIQL 334

RESULT 11
US-09-874-138-4
; Sequence 4, Application US/09874138
; Patent No. US20020072091A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-liang
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: 1488.1310006
; CURRENT APPLICATION NUMBER: US/09/874,138
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 09/042,583
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-874-138-4

Query Match 47.5%; Score 856; DB 9; Length 335;
Best Local Similarity 49.4%; Pred. No. 6.5e-65;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLMIWAFLPLVLAVLQ-----SOLRVHTQGTNSISLSKLRRLRRVHETDKNCEGLYQGGPFCC 56
Db 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 57 QPCQPGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHADVCKRECTLCDEHGLEVEINCT 116
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEHGLEVEINCT 120
QY 117 LTONTKCKKPFCDYCDSPGCEHCVCASCEHGTLEPCTATNTNCRKQSPRNLWLITIL 176
Db 121 RTONTKCRCKPNFFCNSTVCEHCDPCTCKEHIKECTLTNTKCKEGRSNGMLCLL 180
QY 177 VLLIPL-VFIYKRYKRCWKRRQDDP---ESRTSSRETIPMNASNLSSKYIPRIADM 232
Db 181 LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
QY 233 TIQAKKFPARENNIKEGKIDHMDSIQDTAEQKVOLLCLWCYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVOLLRNHQLHGKKEAYDTLLIKDLKK 300
QY 293 AECRTLDKFQDMVQKDLGKSTPDTGNENEGQCL 326
Db 301 ANCLTAEKIQITLKDITSDSENSFRNEIQL 334

RESULT 10
US-09-949-713-20
; Sequence 20, Application US/09949713
; Patent No. US20020044944A1
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, Shigekazu
; APPLICANT: NAKAMURA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/949,713
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US/09/180,100
; PRIOR FILING DATE: 1998-11-02
; PRIOR APPLICATION NUMBER: PCT/JP97/01502
; PRIOR FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
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ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/005,842
FILING DATE: 07-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/042,583
FILING DATE: <Unknown>
APPLICATION NUMBER: US 60/040,846
FILING DATE: 17-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Hoover, Kenley
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PF366
TELECOMMUNICATION INFORMATION:
TELEPHONE: 3013098504
TELEFAX: 3013098439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-005-842-4
Query Match
Best Local Similarity 49.4%; Pzed. No. 6.5e-65;
Matches 169; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
1 MLMTWAVLPVLVLAG----SQLRVHTGNTNSISSESILKRRRVHETDKNSGEGLYQGGPCC 56
1 MLGITWLLPLVLTSVARLSKSSVNAQVTDINSKGLERLAKTVTTVETQNLGLHHGQFCH 60
57 QPCOPGKKKVEDCKMNGGTPTCACTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCT 116
61 KPCCPGGRKARDCTVNGDEPDVCPCQEGKEYTDKAHFSKRCRCLCDEGHGLEVEINCT 120
117 LTQNTKCKPDPFYCDSPGCEHCVCRCASCEHGTLEPCTATSNTRCKOSGPRNRLMLLTL 176
121 RTQNTKCRCKPNFNCSTVCEHCDPCTCKEHGIIKECTLTSTNTRCKEGRSRLGLWCLL 180
177 VLLIPL-VFIYRKYRKCKWKRRQDDP---ESRTSSRETIPIPNAGNLNLSIKYVIPRIADM 232
181 LLPLIPLVWYRKEVQKTRCKHKEQSGHSFPTLNPETVALNLSVDVLSKIYTIAGVM 240
233 TIQAKKFAFARNNIKEGIDEIMHDSIQDTAEQVOLLCLCWYQSHGKSDAYQDLIKGLK 292
241 TLSQVKGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQLHGKKEAYDTLIKDLKK 300
293 AECRTLDKFTQDMVQKDLGKSTPDTGNENEGQCL 326
301 ANLCTLAEKIOTILIKDITSDSNSNFRNEIOSL 334

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Search completed: September 28, 2004, 11:11:17
Job time : 88.9245 secs

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US-10-619-220-2
; Sequence 2, Application US/10619220
; Publication No. US20040033979A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/10/619,220
; CURRENT FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 09/802,669
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-619-220-2

Query Match          47.5%; Score 856; DB 12; Length 335;
Best Local Similarity 49.4%; Pred. No. 6.5e-65;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY      1  MLWIAVLPLVLAG----SOLRVHTQGTNISSSLKULRRRVHETDKNCSEGLYQGQGFCC 56
Db      1  MLGITLLPLVTSVARLSSKSVNAQVTDINSKGLERKTVTVTQNLGLHHDGQFCH 60

QY      57  QPCQPGKKVDECKMNGGTTTCAPCTEGKSYMKNHYADKRCCTLCDESHGLEVEINCT 116
Db      61  KPCCPGERKARDCTVNGDEPDCVPCQGEKYTDKAHFSKRCRRLCDEGHGLEVEINCT 120

QY      117 LTQNTCKCKPDPFYCDSPGCEHCVRCA SCBHGTLEPCTATSNNTCKRQSPRNRLWLITL 176
Db      121 RTQNTCKRCPNFCNVTCEHCDDPCTYCEHGI I KECTLSNTYCKEGRSNGLWLCIL 180

QY      177 VLLIPL-VFTYRKYRKKCKWRRQDDP---ESRTSSRETIPMNASNT-SLSKYIPRIAD 232
Db      181 LLPIPLVYWRKEVQKTCGRKHNQSGSHESPTLPNPTVAINLSVDVLSKYITTIAGVM 240

QY      233 TIQEAKEFARNNTKEGKIDELMHDSITQDTAEQKVQLLLCWYQSHGKSDAYQDLIKGLK 292
Db      241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLTKLKK 300

QY      293 AECRTLDKQDMVQKOLGKSTPDTGNEGOCL 326
Db      301 ANLCITLAEKIQTII LKQITSDSENFRNETQSL 334

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RESULT 15
US-10-005-842-4
; Sequence 4, Application US/10005842
; Publication No. US20020098550A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; Gentz, Reiner
; Yu, Guo-Liang
; Su, Jeffrey
; Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: US

```

